

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IL2004/000276

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C12N15/82 A01H5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, FSTA, EMBASE, WPI Data, PAJ, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^a	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 03/000905 A (PROVART NICOLAS ; SYNGENTA PARTICIPATIONS AG (CH); BRIGGS STEVEN (US);) 3 January 2003 (2003-01-03) page 118, line 8 - line 29 page 187, line 11 - line 27	1-21
Y	MORGANTE M ET AL: "PCR-AMPLIFIED MICROSATELLITES AS MARKERS IN PLANT GENETICS" PLANT JOURNAL, BLACKWELL SCIENTIFIC PUBLICATIONS, OXFORD, GB, vol. 3, no. 1, 1993, pages 175-182, XP000608178 ISSN: 0960-7412 the whole document	1-21

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

6 August 2004

01/09/2004

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/IL2004/000276

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01/61012 A (NICOLAIDES NICHOLAS C ; SASS PHILIP M (US); GRASSO LUIGI (US); KINZLER) 23 August 2001 (2001-08-23) page 25, paragraph 2; examples 4,5 -----	1-21
Y	LEROY XAVIER J ET AL: "Plant genomic instability detected by microsatellite-primers" EJB ELECTRONIC JOURNAL OF BIOTECHNOLOGY, vol. 3, no. 2 CITED SEPT. 6, 2000, 15 August 2000 (2000-08-15), pages 1-13 URL, XP002291388 ISSN: 0717-3458 page 140, column 2, paragraph 2 - page 141, column 1, paragraph 2 page 146, column 1, paragraph 1 - page 147, column 1, paragraph 2 -----	1-21
Y	DATABASE EMBL 'Online! 7 December 1998 (1998-12-07), LIN ET AL.: "Arabidopsis thaliana chromosome 2 clone F24H14 map CIC06E08, complete sequence" XP002291389 retrieved from EBI Database accession no. AC006135 abstract -----	1-21
A	DATABASE EMBL 'Online! Sequence 3 from Patent WO0229408 8 July 2002 (2002-07-08), CATTABENI ET AL.: "Methods for diagnosing and treating huntington's disease" XP002291390 retrieved from EBI Database accession no. AX460942 abstract -----	
A	DATABASE EMBL 'Online! Caenorhabditis elegans cosmid Y102A11A 16 October 2000 (2000-10-16), WILSON: "Genome sequence of the nematode C. elegans: a platform for investigating biology. The C. elegans Sequencing Consortium" XP002291391 retrieved from EBI Database accession no. AC084152 abstract -----	

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/IL2004/000276

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE EMBL 'OnLine! Mus musculus chromosome 12 clone RP23-418I14 6 June 2002 (2002-06-06), WILSON: "The sequence of Mus musculus clone" XP002291392 retrieved from EBI Database accession no. AC123939 abstract</p> <p>-----</p>	

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL2004/000276

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
 - a. type of material
 - a sequence listing
 - table(s) related to the sequence listing
 - b. format of material
 - in written format
 - in computer readable form
 - c. time of filing/furnishing
 - contained in the international application as filed
 - filed together with the international application in computer readable form
 - furnished subsequently to this Authority for the purpose of search
2. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL2004/000276

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: 22 – 24 because they relate to subject matter not required to be searched by this Authority, namely:

The subject-matter of present claims 22 – 24 is directed to plant varieties. Plant varieties are covered by the provisions of Rule 39.1(ii) PCT. Consequently, claims 22 – 24 were not searched.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IL2004/000276

Patent document cited in search report	Publication date		Patent family member(s)		Publication date
WO 03000905	A	03-01-2003	WO 03000897 A2		03-01-2003
			WO 03000904 A2		03-01-2003
			EP 1402038 A2		31-03-2004
			EP 1399561 A2		24-03-2004
			EP 1409696 A2		21-04-2004
			EP 1402042 A2		31-03-2004
			WO 03000905 A2		03-01-2003
			WO 03000906 A2		03-01-2003
			WO 03008540 A2		30-01-2003
			WO 03007699 A2		30-01-2003
			WO 03027249 A2		03-04-2003
			US 2003135888 A1		17-07-2003
			US 2004010815 A1		15-01-2004
			US 2004016025 A1		22-01-2004
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WO 0161012	A	23-08-2001	AU 2602301 A		27-08-2001
			CA 2400664 A1		23-08-2001
			EP 1282708 A1		12-02-2003
			WO 0161012 A1		23-08-2001
			US 2002128460 A1		12-09-2002
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